---------------------------------------------------------------

Configuración parcial del router R1

---------------------------------------------------------------

ena

config t

hostname R1

service password-encryption

enable secret class

no ip domain-lookup

banner motd # Unauthorized access is strictly prohibited. #

line con 0

password cisco

login

logging sync

line vty 0 4

password cisco

login

int Lo0

ip add 209.165.200.225 255.255.255.224

no shut

!--- En esta sección debes incluir la configuración de las Subinterfaces ---

int g0/1.1

description VLAN 1

encapsulation dot1q 1

ip add 192.168.1.1 255.255.255.0

int g0/1.10

description VLAN Students

encapsulation dot1q 10

! dot1q protocolo aceptado para intercambio de vlans

ip add 192.168.10.1 255.255.255.0

int g0/1.20

description VLAN Faculty

encapsulation dot1q 20

ip add 192.168.20.1 255.255.255.0

int g0/1

no shut

-----------------------------------------------------

Configuración del switch S1

-----------------------------------------------------

ena

config t

hostname S1

enable secret class

no ip domain-lookup

service password-encryption

line con 0

password cisco

login

logging sync

line vty 0 15

password cisco

login

int vlan 1

ip address 192.168.1.11 255.255.255.0

no shut

ip default-gateway 192.168.1.1

int range f0/2-4, f0/7-24, g0/1-2

shut

vlan 10

name Students

exit

vlan 20

name Faculty

exit

interface f0/6

switchport mode access

switchport access vlan 10

interface f0/1

switchport mode trunk

interface f0/5

switchport mode trunk

-----------------------------------------------------

Configuración del switch S2

-----------------------------------------------------

ena

config t

hostname S2

enable secret class

no ip domain-lookup

service password-encryption

line con 0

password cisco

login

logging sync

line vty 0 15

password cisco

login

int vlan 1

ip address 192.168.1.12 255.255.255.0

no shut

ip default-gateway 192.168.1.1

int range f0/2-17, f0/19-24, g0/1-2

shut

vlan 10

name Students

exit

vlan 20

name Faculty

exit

interface f0/18

switchport mode access

!Datos y no troncal

switchport access vlan 20

interface f0/1

switchport mode trunk